In the claims:

1. (currently amended) A method for producing porous structures in a three-dimensional object with solid freeform fabrication, comprising:

in a solid freeform fabrication device having a fabrication bin, selectively depositing a removable support material with a material dispenser functioning as a high precision, porosity-controlling dispenser dispensing said removable support material in selected sizes and at selected locations within said fabrication bin in a pattern corresponding to capillary-like pore structures [[pores]] desired in a layer of said porous structure of said object;

after said removable support material is deposited in said fabrication bin, depositing a liquid, curable build material around said removable support material, said support material defining a shape of at least a layer of said three-dimensional object formed with said build material; and

removing said selectively deposited removable support material to form said [[pores]] capillary-like pore structures within said three-dimensional object so as to control a porosity of said build material of said object, sizes and locations of said capillary-like pore structures being controlled by sizes and locations of the previously deposited support material.

2. (previously presented) The method of claim 1, further comprising selectively depositing a non-removable support material.

3. (original) The method of claim 1, further comprising planarizing said build material or said removable support material.

4. (previously presented) The method of claim 1, further comprising curing said build material.

5. (previously presented) The method of claim 4, wherein said curing said build material comprises one of electromagnetic radiation, the application of heat, or a chemical cure activated by chemical agents present in said build material.

6. (previously presented) The method of claim 4, wherein said curing said build material occurs after said build material has flowed with respect to said removable support material.

7. (currently amended) A method for producing porous structures in a three-dimensional object with solid freeform fabrication, comprising:

selectively depositing a removable support material with a material dispenser functioning as a high precision, porosity-controlling dispenser dispensing said removable support material in selected sizes and at selected locations in a pattern corresponding to capillary-like pore structures desired in a layer of said porous structures of said object;

after said removable support material is deposited, depositing a build material defining said three-dimensional object; and

removing said selectively deposited removable support material to form ~~a number of pores~~ said capillary-like pore structures within said three-dimensional object so as to control porosity of said object, sizes and locations of said capillary-like pore structures being controlled by sizes and locations of the previously deposited support material; and

infiltrating said [[pores]] capillary-like pore structures with a property enhancing material that enhances a property of said object.

8. (original) The method of claim 7, wherein said property enhancing material comprises one of a high toughness material, a flexible material, a lubricant, an odorant, a de-odorant, a drug, a colorant, a reactive gas, a reactive liquid, an electrostatic or electromagnetic enhancing material, or an adhesive.

9. (currently amended) The method of claim 1~~, wherein said selectively depositing a removable support material comprises depositing said removable support material with a high-precision dispenser and~~ wherein said depositing a build material comprises depositing said build material with a low-precision dispenser.

10. (original) The method of claim 9, wherein said selectively depositing a removable support material further comprises vertically stacking a number of removable support material voxels.

11. (original) The method of claim 9, wherein said selectively depositing a removable support material further comprises selectively depositing a number of removable support material voxels in a planar array configuration.

12. (original) The method of claim 1, wherein said depositing a build material comprises depositing said build material with a low precision dispenser.

13. (original) The method of claim 1, wherein said depositing a build material comprises depositing said build material with a high precision dispenser.

14. (original) The method of claim 1, wherein said removing said selectively deposited removable support material comprises one of removal by manual separation, removal by dissolving said removable support material with a solvent, or removal by applying sufficient thermal energy to soften or melt said removable support material.

15-20. (cancelled)

21. (currently amended) A method for producing porous structures in a three-dimensional object with solid freeform fabrication, comprising:

forming a plurality of containment structures by selective depositing of a support material with a material dispenser functioning as a high precision, porosity-controlling dispenser dispensing said removable support material in selected sizes and at selected locations in a pattern corresponding to capillary-like pore structures desired in a layer of said porous structure of said object;

after said removable support material is deposited, dispensing bulk build material into said containment structures; and

removing said containment structures to form [[pores]] said capillary-like pore structures in said build material, sizes and locations of said capillary-like pore structures being controlled by sizes and locations of the previously deposited support material; and

infiltrating said [[pores]] capillary-like pore structures with a property enhancing material that enhances a property of said object.

22. (cancelled)

23. (currently amended) The method of claim [[22]] 21, wherein said forming a plurality of containment structures comprises stacking a plurality of support material voxels.

24. (currently amended) The method of claim [[22]] 21, wherein said forming a plurality of containment structures comprises selectively disposing support material voxels in a planar array.

25. (original) The method of claim 21, wherein said dispensing bulk build material comprises dispensing a specified quantity of build material with a low precision material dispenser.

26. (original) The method of claim 21, wherein said coupling said containment structures comprises selectively dispensing build or support material that overhangs said porous gap.

27. (cancelled)

28. (previously presented) The method of claim 21, wherein said property enhancing material comprises one of a high toughness material, a flexible material, a lubricant, an odorant, a de-odorant, a drug, a colorant, a reactive gas, a reactive liquid, an electrostatic or electromagnetic enhancing material, or an adhesive.

29-47. (cancelled)

48. (previously presented) The method of claim 15, wherein said selectively depositing said rapidly solidifying build material comprises using a solid freeform fabrication system to selectively deposit said rapidly solidifying build material in a fabrication bin according to a pattern that provides said porous configuration.

49. (cancelled)

50. (previously presented) The method of claim 7, wherein said property enhancing material comprises a drug.

51. (previously presented) The method of claim 7, wherein said property enhancing material comprises a lubricant.

52. (previously presented) The method of claim 7, wherein said property enhancing material comprises an odorant.

53. (previously presented) The method of claim 7, wherein said property enhancing material comprises a de-odorant.

54. (previously presented) The method of claim 7, wherein said property enhancing material comprises a colorant.

55. (previously presented) The method of claim 7, wherein said property enhancing material comprises a reactive gas.

56. (previously presented) The method of claim 7, wherein said property enhancing material comprises a reactive liquid.

57. (previously presented) The method of claim 7, wherein said property enhancing material comprises an electrostatic or electromagnetic enhancing material.

58. (previously presented) The method of claim 7, wherein said property enhancing material comprises an adhesive.

59. (previously presented) The method of claim 7, wherein said property enhancing material comprises a flexible material.

60. (previously presented) The method of claim 7, wherein said property enhancing material comprises a structure reinforcing material.